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Preface

The 4th Japan–China Workshop on Environmental Catalysis and Eco-materials was held on November 5–6, 2009, Nagoya, Japan. This workshop was organized by Prof. Atsushi Satsuma of Nagoya University and Prof. Hong He of Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, sponsored by Hibi Foundation of Science and Technology, Thechno Symposium in Nagoya University, Environmental Catalysis Forum in Catalysis Society of Japan, Toyota Motor Corporation, and Global COE of Chemistry of Nagoya University.

This fourth Workshop was organized as a continuation of the successful first Workshop (October 9–10, 2003, Beijing, China), the second Workshop (October 24–25, 2005, Fukuoka, Japan), and the third Workshop (October 11–12, 2007, Beijing, China). Two invited lectures by Dr. Hirofumi Shinjoh (Toyota Central R&D Labs, Japan) and Prof. Tao Zhang (Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, China), 24 oral presentations and 38 poster presentations were presented during the workshop.

The sub-title of the fourth Workshop is “Progress in Catalysis and Materials for Control of Air and Water Quality” which covers heterogeneous catalysis, homogeneous catalysis, and material development regarding environmental science and technology. The purpose of this Workshop is to stimulate and foster discussion among leading researchers working on environmental catalysis and materials, and to point out the current problems in their research fields and suggest the future direction of development. The following scientific topics were considered: deNO_x catalysis for automobile and stationary sources, catalytic oxidation of CO

and VOC, photocatalysis, energy-related catalysis, environmental materials, and biomass conversion to renewable feed stocks. This special issue of Catalysis Today contains 21 papers most of which were originally presented in the workshop as oral and poster presentations.

Finally, the Editors would like to convey their sincere thanks to all authors and referees who helped to ensure the quality of this issue. We also would like to thank Professor Julian Ross, the Editor of this journal, for his valuable advice and cooperation, and Elsevier for their efforts and cooperation in preparing this issue.

Atsushi Satsuma*
Nagoya University, Nagoya, Japan

Hong He¹
Research Center for Eco-Environmental Sciences,
Chinese Academy of Sciences, China

* Corresponding author. Tel.: +81 52 789 4608;
fax: +81 52 789 3193.

E-mail addresses: satsuma@apchem.nagoya-u.ac.jp
(A. Satsuma),
honghe@rcees.ac.cn (H. He)

¹ Tel.: +86 10 62771093;
fax: +86 10 62785687.

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